



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

HARVEST CONTINUES

Producers continued to make progress on corn and soybean harvest this past week, according to the USDA, NASS, Minnesota Field Office. As of September 16, the soybean harvest advanced to 16 percent complete, compared to 1 percent for the five year average. The average moisture content of harvested soybeans was 12 percent. Corn harvest advanced to 12 percent complete, compared to 1 percent average. The average moisture content of harvested corn was 21 percent. Statewide, 6.7 days were rated suitable for fieldwork.

The potato harvest advanced to 50 percent complete, compared to 35 percent last year and 39 percent average. The dry bean harvest advanced to 72 percent complete, compared to 22 percent last year and 32 percent average. Sugarbeets were 12 percent harvested, compared to 2 percent last year and 6 percent average. Sunflower harvest was underway with 1 percent harvested, ahead of last year and average. Other harvest activities included sweet corn at 93 percent complete and corn chopped for silage at 96 percent complete.

Crop development continued ahead of average. Corn was 80 percent mature, compared to 23 percent last year and 30 percent average. Soybeans were 57 percent mature, compared to 5 percent last year and 13 percent average.

Dry conditions persisted across most of the state. Some northern areas remained dry, while precipitation amounts recorded in southern parts of the state ranged up to nearly one half of an inch. Topsoil moisture supplies were rated 32 percent very short, 44 percent short, and 24 percent adequate compared to 27 percent very short, 42 percent short, and 31 percent adequate the previous week.

Range and pasture condition was rated 25 percent very poor, 26 percent poor, 30 percent fair, 17 percent good, and 2 percent excellent.

The following links provides further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

Days Suitable for Fieldwork: 6.7

| | Very Short | Short | Adequate | Surplus |
|------------------|---------------------|-------|----------|---------|
| | ----- Percent ----- | | | |
| Topsoil Moisture | 32 | 44 | 24 | 0 |

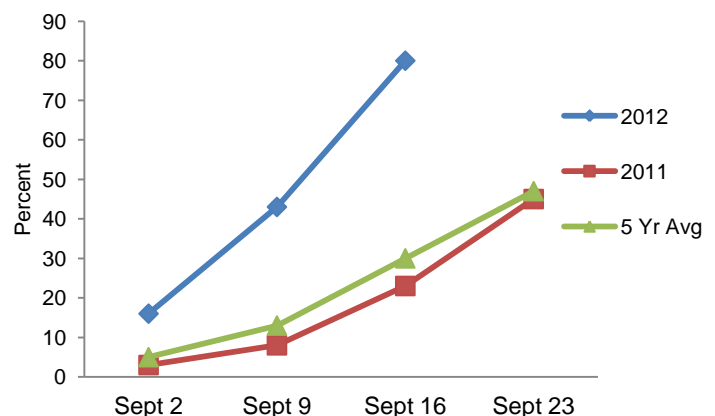
Crop Progress as of September 16, 2012

| Crop | Stage of Development | This Week | Last Week | Last Year | 5 Yr Avg |
|-------------|----------------------|---------------------|-----------|-----------|----------|
| | | ----- Percent ----- | | | |
| Corn | Mature | 80 | 43 | 23 | 30 |
| Corn | Harvested | 12 | 2 | 0 | 1 |
| Corn Silage | Harvested | 96 | 88 | 60 | 58 |
| Corn | Moisture Content | 21 | NA | NA | NA |
| Soybeans | Turning Yellow | 96 | 85 | 63 | 80 |
| Soybeans | Dropping Leaves | 84 | 51 | 32 | 45 |
| Soybeans | Mature | 57 | 18 | 5 | 13 |
| Soybeans | Harvested | 16 | 2 | 0 | 1 |
| Soybeans | Moisture Content | 12 | NA | NA | NA |
| Sweet Corn | Harvested | 93 | 88 | 87 | 85 |
| Potatoes | Harvested | 50 | 37 | 35 | 39 |
| Sugarbeets | Harvested | 12 | 10 | 2 | 6 |
| Sunflowers | Harvested | 1 | NA | 0 | 0 |
| Dry Beans | Dropping Leaves | 96 | 85 | 64 | NA |
| Dry Beans | Harvested | 72 | 49 | 22 | 32 |

Condition as of September 16, 2012

| | Very Poor | Poor | Fair | Good | Exc |
|------------|---------------------|------|------|------|-----|
| | ----- Percent ----- | | | | |
| Pasture | 25 | 26 | 30 | 17 | 2 |
| Sugarbeets | 1 | 2 | 18 | 64 | 15 |
| Sunflowers | 0 | 2 | 15 | 65 | 18 |
| Corn | 4 | 13 | 31 | 45 | 7 |
| Soybeans | 3 | 9 | 30 | 49 | 9 |
| Potatoes | 1 | 2 | 17 | 58 | 22 |

Corn Mature



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 16, 2012:
Temperatures averaged from 1.0 degree above normal in the North Central District to 4.1 degrees above normal in the Southwest District. Extremes: 27 degrees in Hibbing; 97 degrees in Montevideo, Redwood Falls. Average precipitation ranged from 0.76 inch below normal in the North Central, Northeast Districts to 0.56 inch below normal in the Southwest District. Greatest weekly total of 0.45 inch was recorded in Preston.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website;
<http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 9/10/2012 through 9/16/2012

| | Temperature | | | | Precipitation | | | | G D D | |
|--------------------|-------------|-----|----------|------------------|---------------|------------------|-----------------|----------------|--------------|------------------|
| | High | Low | Week Ave | Depart from Norm | Week Total | Depart Past Week | From Four Weeks | Norm Since 4/1 | Since Apr 30 | Depart from Norm |
| <u>NW DIST 1</u> | | | | | | | | | | |
| Crookston | 88 | 36 | 61.5 | 3.2 | 0 | -.57 | -1.95 | -5.32 | 2446 | 369 |
| Itasca | M | M | M | M | M | M | -2.86m | -1.91m | 1778m | -17m |
| Moorhead | 91 | 34 | 62.6 | 2.4 | 0 | -.61 | -2.29 | -4.27 | 2612 | 342 |
| Warroad | 84 | 30 | 54.8 | -1.4 | 0 | -.66 | -1.85 | -1.14 | 1938 | 115 |
| <u>NC DIST 2</u> | | | | | | | | | | |
| Grand Rapids | 79 | 34 | 59.1 | 1.7 | 0 | -.79 | -2.88 | 7.56 | 2190 | 246 |
| Intl. Falls | 82 | 28 | 54.9 | .3 | 0 | -.73 | -2.49 | -1.36 | 1944 | 276 |
| <u>NE DIST 3</u> | | | | | | | | | | |
| Duluth | 83 | 39 | 60.4 | 3.8 | .13 | -.87 | -3.34 | 5.51 | 2125 | 440 |
| Grand Marais | 71 | 42 | 57.5 | .7 | .01 | -.68 | -2.00 | 2.35 | 1606 | 263 |
| Hibbing | 77 | 27 | 54.0 | -.1 | .01 | -.72 | -2.13 | 3.46 | 1915 | 372 |
| <u>WC DIST 4</u> | | | | | | | | | | |
| Alexandria | 89 | 40 | 64.8 | 4.9 | 0 | -.68 | -2.69 | -.15 | 2509 | 320 |
| Breckenridge | 90 | 37 | 64.8 | 4.9 | 0 | -.76 | -2.76 | -2.71 | 2504 | 273 |
| Browns Valley | 92 | 35 | 61.8 | 1.5 | 0 | -.64 | -2.33 | -4.03 | 2461 | 203 |
| Canby | M | M | M | M | M | M | -2.59m | -3.70m | 2537m | 117m |
| Montevideo | 97 | 33 | 62.2 | 1.1 | .07 | -.72 | -2.90 | -.95 | 2619 | 288 |
| Morris | 89 | 37 | 61.8 | 1.7 | 0 | -.68 | -2.55 | -3.79 | 2480 | 262 |
| Wheaton | 91 | 42 | 64.0 | 3.6 | 0 | -.75 | -2.44 | -.29 | 2508 | 208 |
| <u>CENT DIST 5</u> | | | | | | | | | | |
| Becker | 95 | 41 | 63.2 | 2.2 | 0 | -.96 | -3.59 | 1.26 | 2624 | 331 |
| Collegeville | 92 | 46 | 65.6 | 3.4 | .06 | -.78 | -2.46 | .41 | 2670 | 255 |
| Hutchinson | 94 | 44 | 64.3 | 2.7 | .06 | -.70 | -2.53 | 2.29 | 2689 | 324 |
| Melrose | 96 | 41 | 62.0 | 2.7 | .20 | -.56 | -2.68 | .39 | 2471 | 337 |
| Olivia | 95 | 41 | 64.0 | 3.5 | .06 | -.73 | -2.85 | -2.56 | 2588 | 279 |
| St. Cloud | 96 | 38 | 64.4 | 4.8 | 0 | -.83 | -2.90 | -.11 | 2579 | 407 |
| Wadena | 83 | 34 | 60.0 | 2.6 | 0 | -.66 | -2.64 | 4.03 | 2222 | 307 |
| Willmar | 94 | 39 | 62.8 | 1.4 | .03 | -.78 | -3.17 | -2.86 | 2557 | 189 |
| <u>EC DIST 6</u> | | | | | | | | | | |
| Aitkin | M | M | M | M | M | M | -2.67m | 12.54m | 1903m | 30m |
| Forest Lake | 95 | 46 | 65.6 | 4.3 | .05 | -.80 | -3.08 | 2.75 | 2659 | 302 |
| MSP Airport | 95 | 50 | 68.6 | 5.5 | .09 | -.64 | -3.16 | 1.97 | 2952 | 425 |
| Mora | 92 | 39 | 60.4 | 1.6 | 0 | -.84 | -2.76 | 3.18 | 2382 | 311 |
| St. Paul - UofM | 94 | 46 | 65.4 | 4.1 | .11 | -.74 | -3.17 | -.47 | 2746 | 389 |
| <u>SW DIST 7</u> | | | | | | | | | | |
| Lamberton | 96 | 45 | 65.2 | 3.6 | 0 | -.81 | -2.58 | -1.36 | 2707 | 327 |
| Marshall | 95 | 41 | 67.0 | 5.0 | .30 | -.45 | -2.15m | -1.94m | 2862 | 435 |
| Pipestone | 95 | 40 | 64.0 | 3.0 | .26 | -.52 | -2.16 | 1.61 | 2611 | 308 |
| Redwood Falls | 97 | 45 | 67.2 | 4.9 | .13 | -.60 | -2.58 | -.29 | 2814 | 359 |
| Worthington | 94 | 44 | 64.2 | 2.9 | .18 | -.61 | -2.50 | -4.27 | 2675 | 353 |
| <u>SC DIST 8</u> | | | | | | | | | | |
| North Mankato | 94 | 45 | 64.6 | 2.6 | 0 | -.77 | -2.55 | -7.73 | 2719 | 307 |
| Owatonna | 93 | 47 | 64.2 | 1.9 | .14 | -.76 | -3.10 | .08 | 2748 | 363 |
| Waseca | 94 | 43 | 64.0 | 1.6 | .20 | -.68 | -3.16 | -6.34 | 2679 | 251 |
| Winnebago | 94 | 46 | 64.4 | 1.9 | .18 | -.61 | -2.62 | -3.22 | 2785 | 348 |
| <u>SE DIST 9</u> | | | | | | | | | | |
| Cannon Falls | 92 | 42 | 62.5 | 1.6 | .21 | -.62 | -3.20m | 7.78m | 1520m | -764m |
| Preston | 89 | 41 | 61.7 | .2 | .45 | -.47 | -1.94 | -6.11 | 2618 | 346 |
| Red Wing | 93 | 45 | 64.8 | 2.1 | .16 | -.74 | -3.10 | 6.44 | 2763 | 347 |
| Rochester | 91 | 47 | 65.5 | 3.6 | .35 | -.49 | -2.59 | -5.55 | 2740 | 394 |
| Rosemount | 94 | 44 | 64.0 | 2.2 | .14 | -.72 | -3.25 | 2.43 | 2680 | 342 |
| Winona Dam | 89 | 49 | 64.2 | 1.6 | .22 | -.67 | -1.87 | -5.32 | 2738 | 362 |

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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